Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (Original)   An address information setting method comprising:

        a step of detecting a trigger from a user;

        a step of selecting a home agent to manage a mobile terminal from among routers to which the mobile terminal is connected, when the trigger is detected;

        a step of generating a home address from the prefix distributed by the home agent selected; and

        a step of carrying out a mobile IP procedure using the selected home agent and the generated home address.

2.   (Original)   An address information setting method according to claim 1, further comprising a step of acquiring router information from a network to which the mobile terminal is connected, when the trigger is detected.

3.   (Currently Amended)   An address information setting method according to claim 1 or 2,

        wherein in the selection of a home agent, a home agent is selected from among routers whose flag indicating that it is a home agent is on, this flag included in acquired information regarding the routers.

4.   (Original)   An address information setting method according to claim 3,

        wherein in the selection of a home agent, from among the routers whose flag is on, a predetermined number of routers are selected according to a preference defined in advance, in order from the one with highest priority.

5.   (Original)   An address information setting method according to claim 3,

        wherein in the selection step of a home agent, a home agent is selected arbitrarily from among the routers whose flag is on.

6.   (Original)   An address information setting method according to claim 3, further comprising a step of acquiring, from the user, criteria for selecting a home agent from among the routers whose flag is on,

wherein in the step of selecting a home agent, a home agent is selected according to the criteria.

7.   (Currently Amended)   An address information setting method according to ~~any one of claims~~claim 1 ~~to 6~~, further comprising a step of notifying the user when the selection of a home agent is completed.

8.   (Original)   An address information setting method according to claim 2,

wherein the selection of a home agent is performed using router information acquired during a time period designated by the user.

9.   (Original)   A mobile terminal comprising:

an input unit through which a user inputs a trigger for setting information regarding a home agent;

an information setting unit that selects a home agent to manage the mobile terminal from among the routers to which the mobile terminal is connected when the mobile terminal receives the trigger, and sets the address of the home agent and a home address which is generated from the prefix distributed by the home agent as information regarding the home agent; and

mobile IP processing means that carries out a mobile IP procedure using the information regarding the home agent.

10.   (Original)   A mobile terminal according to claim 9, further comprising:

a transmitting unit that transmits a router information request message for requesting router information from a network to which the mobile terminal is connected, when a trigger from the input unit is received; and

a receiving unit that receives router information response messages that are responses to the router information request message,

wherein the information setting unit selects a home agent to manage the mobile terminal from among the routers that have transmitted the router information response messages.

11.   (Currently Amended)   A mobile terminal according to claim 9 ~~or 10~~,

wherein the information setting unit selects a home agent from among routers whose flag indicating that the home agent is included in the router information of the router information response messages is on.

12.　(Original)　A mobile terminal according to claim 11,

wherein in the selection of a home agent, from among the routers whose flag is on, a predetermined number of routers are selected according to a preference defined in advance, in order from the one with highest priority.

13.　(Original)　A mobile terminal according to claim 11,

wherein the information setting unit selects a home agent arbitrarily from among the routers whose flag is on.

14.　(Original)　A mobile terminal according to claim 11,

wherein through an input unit the user enters selection criteria for the selection of a home agent to be performed by the information setting unit, and

the information setting unit performs the selection of a home agent on the basis of these criteria.

15.　(Currently Amended)　A mobile terminal according to ~~any one of claims 9 to 13~~claim 9,

wherein the input unit may be a soft key on a screen, a button set in a main body, or a switch set in the main body.

16.　(Currently Amended)　A mobile terminal according to ~~any one of claims 9 to 15~~claim 9, further comprising a display unit that notifies the user that the setting of information regarding a home agent is completed.

17.　(Currently Amended)　A mobile terminal according to ~~any one of claims 9 to 14~~claim 9,

wherein the input unit designates the time period in which the information regarding a home agent is set, and

the information setting unit sets the information only in this period.

18.　(Original)　A mobile terminal according to claim 15,

wherein the time period is a period in which the soft key, the button, or the switch used as the input unit is in the state 'ON'.

19.　(New)　An address information setting method according to claim 2,

wherein in the selection of a home agent, a home agent is selected from among routers whose flag indicating that it is a home agent is on, this flag included in acquired information regarding the routers.

20. (New) An address information setting method according to claim 19,

wherein in the selection of a home agent, from among the routers whose flag is on, a predetermined number of routers are selected according to a preference defined in advance, in order from the one with highest priority.

21. (New) An address information setting method according to claim 19,

wherein in the selection step of a home agent, a home agent is selected arbitrarily from among the routers whose flag is on.

22. (New) An address information setting method according to claim 19, further comprising a step of acquiring, from the user, criteria for selecting a home agent from among the routers whose flag is on,

wherein in the step of selecting a home agent, a home agent is selected according to the criteria.

23. (New) An address information setting method according to claim 2, further comprising a step of notifying the user when the selection of a home agent is completed.

24. (New) A mobile terminal according to claim 10,

wherein the information setting unit selects a home agent from among routers whose flag indicating that the home agent is included in the router information of the router information response messages is on.

25. (New) A mobile terminal according to claim 24,

wherein in the selection of a home agent, from among the routers whose flag is on, a predetermined number of routers are selected according to a preference defined in advance, in order from the one with highest priority.

26. (New) A mobile terminal according to claim 24,

wherein the information setting unit selects a home agent arbitrarily from among the routers whose flag is on.

27. (New) A mobile terminal according to claim 24,

wherein through an input unit the user enters selection criteria for the selection of a home agent to be performed by the information setting unit, and

the information setting unit performs the selection of a home agent on the basis of these criteria.

28.   (New)   A mobile terminal according to claim 10,

wherein the input unit may be a soft key on a screen, a button set in a main body, or a switch set in the main body.

29.   (New)   A mobile terminal according to claim 10, further comprising a display unit that notifies the user that the setting of information regarding a home agent is completed.

30.   (New)   A mobile terminal according to claim 10,

wherein the input unit designates the time period in which the information regarding a home agent is set, and

the information setting unit sets the information only in this period.

31.   (New)   A mobile terminal according to claim 28,

wherein the time period is a period in which the soft key, the button, or the switch used as the input unit is in the state 'ON'.